

# Northern Highland - American Legion State Forest

Compartment 6H Stands 1, 4, 8, 10, 12, & 13

Jean and Eloise Lakes - 529 acres

Town of Plum Lake, Vilas County, T42N R8E Sections 25, 26, 35, & 36

NHAL Master Plan: Area 3 - Vilas Sandy Plains North Forest Production Area &

Area 8 - Lake Laura Loamy Hills Native Community Area








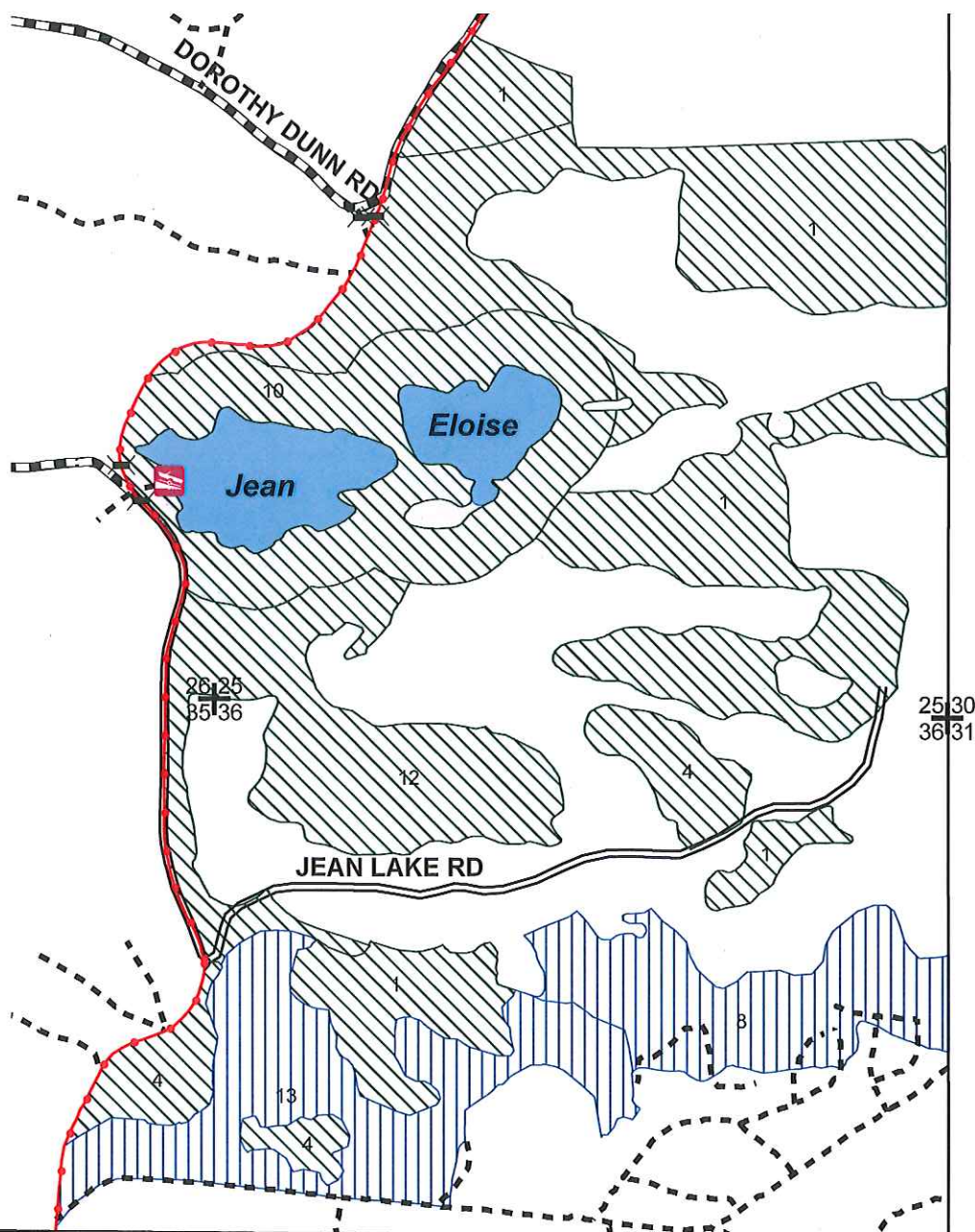
4" = 1 mile



Map produced by  
Adam Wallace, 2/15

## Legend

-  Stands 8 & 13 (hdwd)
-  Stands 1, 4, 10, 12 (aspen)
-  Section Corners
-  Snowmobile Trails
-  Woods Roads
-  NHAL Roads
-  Boat Landing
-  Lakes



**Mgmt Class Goals:** Area 3 - Increase red and white pine components. Maintain aspen as a strong component in mixed stands. Manage for current levels of red oak, white birch, jack pine, fir-spruce, and northern hardwood.

Area 8 - Increase old growth forest attributes, increase white pine, yellow birch, cedar, and hemlock. Maintain old growth northern hardwood characteristics and enhance stand composition and structure. Regenerate some aspen, white birch and other early successional species.

**Stand Attributes, History, Prescription:** The NW corner of stand 8 was thinned in 1997. Aspen was cut in most of stand 13 in 1963. All other areas of this sale had all aspen,

balsam, jack pine, white birch, and marked trees cut in 1960. The aspen stands (1, 4, 10, & 12) are mainly all 52-55 years old and will again be regenerated by a coppice cut to maintain this type. Pine and oak within the aspen stands will be retained and thinned where necessary to promote longer-lived species. Aspen stands in the Native Community Area (South of Jean Lake Rd) will have selectively marked areas of hardwood mixed within them as well. The northern hardwood stands (8 & 13) will have an all-aged thinning with gaps to enhance stand health, composition, and structure. Some additional trees of all species will be left uncut in Native Community Areas for diversity as well as additional cavity trees for wildlife.

**Biomass Suitability:** No, the sale contains large areas of restricted soils and as much coarse woody debris must be left as possible in Area 8.

**Recreation/Aesthetic Concerns:** Jean and Eloise Lakes are Scenic Lakes in the master plan. A 400' zone around the lakes will be used with an emphasis on aesthetic impacts. WI BMP's for water quality will be implemented around the lakes, as well as additional trees will be left for aesthetics and to hasten the conversion to longer lived species within this area. The snowmobile trail will be posted if cutting occurs in winter.

**Seasonal Restrictions, Access Concerns:** Cutting will not be allowed in the hardwood areas during spring break-up and the high risk oak wilt period. Some additional haul roads and landings will need to be re-opened or created for access into parts of this sale.



# Northern Highland - American Legion State Forest

## Compartment 263H Stands 8 & 15

Turtle River South - 202 acres

Town of Mercer, Iron County, T43N R4E Sections 13 & 24

Town of Winchester, Vilas County, T43N R5E Sections 7 & 18

NHAL Master Plan: Area 1 - Winegar Moraines Forest Production Area &

Area 9 - Hemlock / Hardwood Native Community Area



### Legend

-  Stand 8 (Fir & Aspen)
-  Stand 15 (Hdwd)
-  Section Corners
-  Snowmobile Trails
-  Woods Roads
-  NHAL Roads
-  Lakes
-  Private Lands

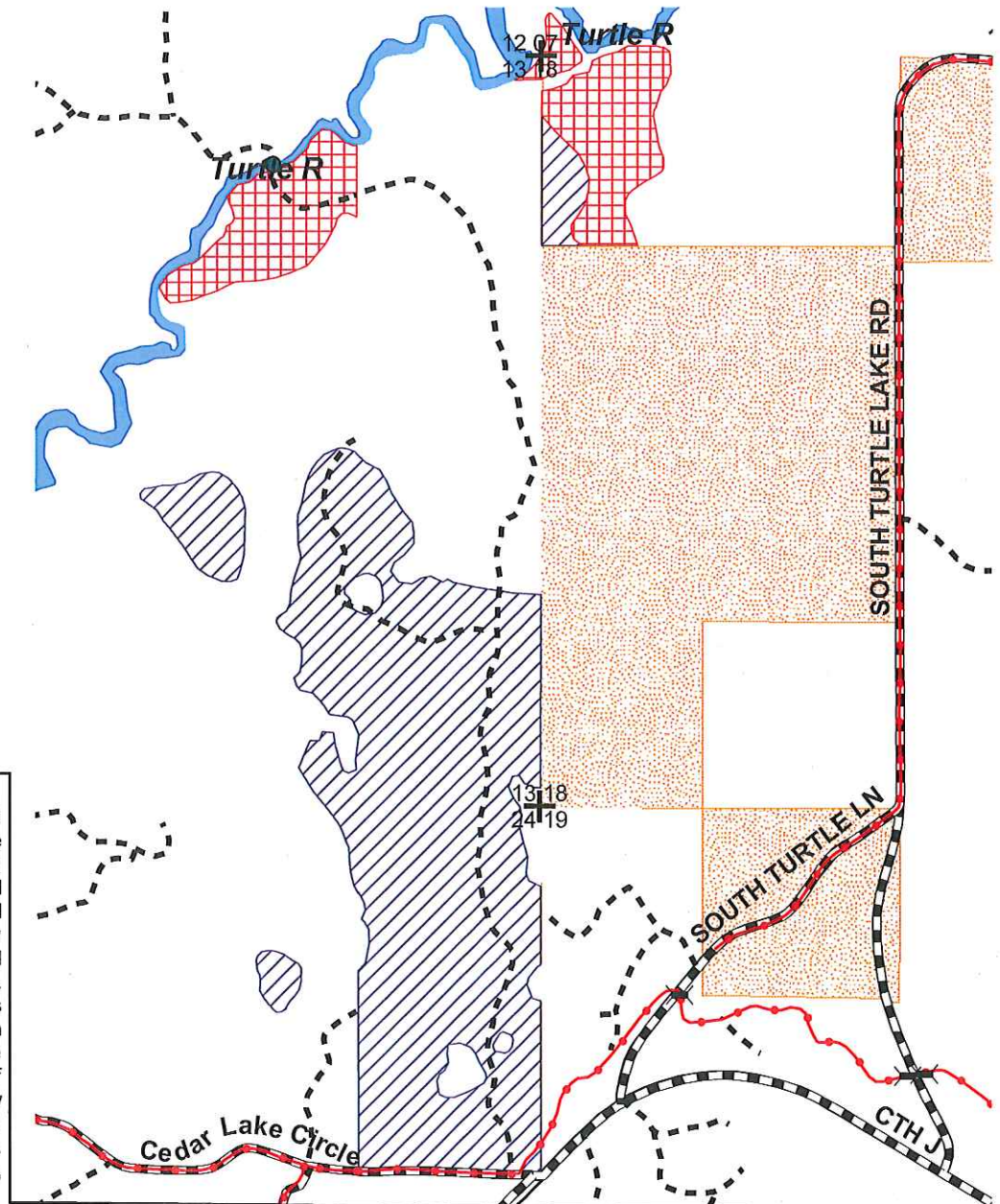
**Mgmt Class Goals:** Area 1 - Maintain and enhance northern hardwoods to increase age diversity, health, and vigor. Encourage white pines, red pine components in natural stands and manage plantations to biological maturity. Retain and encourage yellow birch, white pine, and hardwood components on aspen dominated sites. Develop a diversity of ages and stand sizes for aspen, white birch, and northern hardwood. Area 9 - Increase the age diversity, composition, and patch size of hemlock, white pine, sugar maple, yellow birch, and basswood. Retain most cedar, hemlock, white pine, and yellow birch. Maintain small acres of red oak, white birch, and aspen.

**Stand Attributes, History, Prescription:** Stand 15 is a well stocked stand of medium quality northern hardwoods. A large portion of this stand is from the Stephenson acquisition in 2014. This property was in MFL and the proposed hardwood stand was last thinned around 1990. No other cutting history was found for this sale. The northern hardwood stand will have an all-aged thinning with gaps to increase stand health, composition, and structure. Stand 8 is a 63 year old balsam fir and aspen mixed stand that will have a regeneration cut to maintain these species. Native community areas in both the aspen and hardwood stands will have some additional trees of all species left uncut for diversity, cavity/den trees, mast, snags, etc.

**Biomass Suitability:** No, the sale contains some areas of restricted soils and as much coarse woody debris must be left as possible in Area 9.

**Recreation/Aesthetic Concerns:** The snowmobile trail will be posted if cutting occurs in winter. WI BMP's for water quality will be implemented along the Turtle River and will help minimize aesthetic concerns there.

**Seasonal Restrictions, Access Concerns:** Logging will not be allowed in this sale during spring break-up or wet fall conditions. Logging must be under very dry or frozen ground conditions to prevent rutting. The main access road through this sale must remain in good condition at all times for access of the private landowners to the north.





# Northern Highland - American Legion State Forest Compartment 257H Stand 12, Compartment 274H Stands 2, 6 & 18

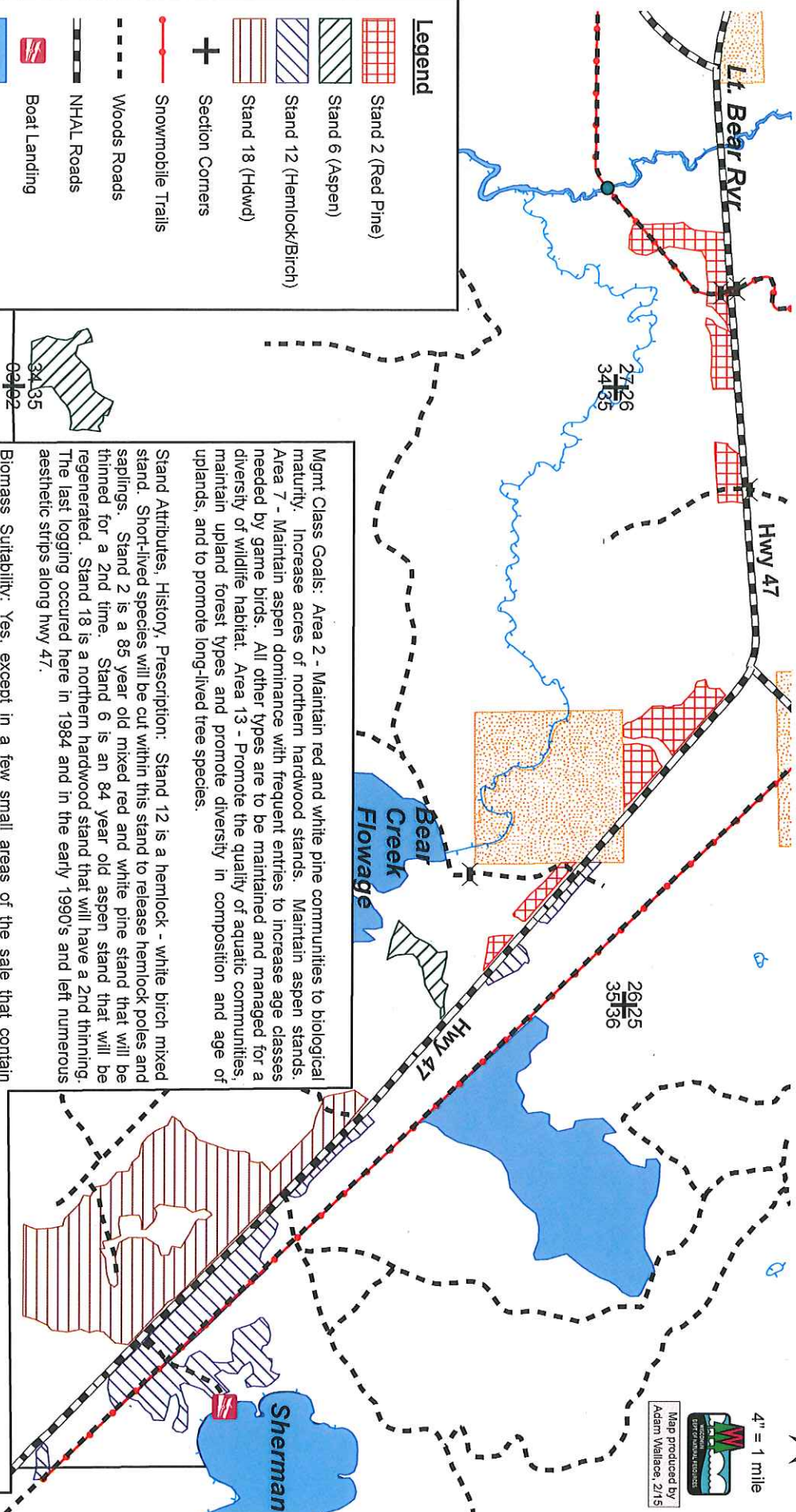
47 Sherman - 113 acres

Town of Sherman, Iron County, T42N R4E Sections 26, 27, 34, 35 & 36

NHAL Master Plan: Area 2 - Manitowish Peatlands Forest Production Area &

Area 7 - Ruffed Grouse Demonstration Area &

Area 13 - Special Aquatic Native Community Area



**Mgmt Class Goals:** Area 2 - Maintain red and white pine communities to biological maturity. Increase acres of northern hardwood stands. Maintain aspen stands. Area 7 - Maintain aspen dominance with frequent entries to increase age classes needed by game birds. All other types are to be maintained and managed for a diversity of wildlife habitat. Area 13 - Promote the quality of aquatic communities, maintain upland forest types and promote diversity in composition and age of uplands, and to promote long-lived tree species.

**Stand Attributes, History, Prescription:** Stand 12 is a hemlock - white birch mixed stand. Short-lived species will be cut within this stand to release hemlock poles and saplings. Stand 2 is a 85 year old mixed red and white pine stand that will be thinned for a 2nd time. Stand 6 is an 84 year old aspen stand that will be regenerated. Stand 18 is a northern hardwood stand that will have a 2nd thinning. The last logging occurred here in 1984 and in the early 1990's and left numerous aesthetic strips along hwy 47.

**Biomass Suitability:** Yes, except in a few small areas of the sale that contain restricted soils and in Area 13 where coarse woody debris must be retained.

**Recreation/Aesthetic Concerns:** The snowmobile trail will be posted if cutting occurs in winter. WI BMP's for water quality will be implemented along Sherman Lake and will help minimize any negative aesthetic or water quality impacts. Aesthetic impacts along the highway should be minimized with most areas having ample tree retention.

**Seasonal Restrictions, Access Concerns:** Some areas may require very dry or frozen ground to prevent rutting. Most areas contain existing woods roads and landings so road work should be minimal.